

**GOVERNMENT OF INDIA  
MINISTRY OF EARTH SCIENCES  
RAJYA SABHA  
UNSTARRED QUESTION No. 961  
TO BE ANSWERED ON THURSDAY, MARCH 09, 2017  
INSTALLATION OF DWRs IN HIMACHAL PRADESH**

**961. SMT. VIPLOVE THAKUR:**

**Will the Minister of EARTH SCIENCES be pleased to state:**

- (a) the details of Doppler Weather Radars (DWRs) installed in the country, location-wise and State-wise;**
- (b) whether some of DWRs are not functioning for a long time and if so, the details thereof along with the steps taken by Government to ensure their functioning; and**
- (c) whether Government proposes to install DWRs in Kangra and other districts of Himachal Pradesh and if so, the details thereof?**

**ANSWER**

**MINISTER OF STATE FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND  
MINISTRY OF EARTH SCIENCES  
(SHRI Y. S. CHOWDARY)**

- (a) The details of the Doppler Weather Radar (DWR) system installed in the country, location and state-wise are enclosed at Annexure-I.**
- (b) Currently only one Doppler Weather Radar at Delhi (Palam) is under service for want of spare parts. Whereas DWR at Mumbai is under maintenance and at Karaikal and Paradeep, there is a temporary breakdown of DWRs.**

**With an in-house inventory of spares, despite the staff crunch, radars purchased prior to 2006 are maintained by technical staff of India Meteorological Department (IMD). The annual maintenance contract is awarded for the maintenance of the radars procured after 2010.**

**At times radars remain non-functional due to failure of support systems/ for want of critical spares/parts. As and when non-functionality scenario develops, the said 24X7 severe weather surveillance is carried out through half-hourly updates of geostationary satellites (INSAT-3D and INSAT-3DR) and other polar orbital satellites covering India and its neighborhood. Although, endeavors are always made to ensure uninterrupted functionality of various observing systems including DWRs over land and ocean, systems become dysfunctional at times. Prioritized action is always launched so as to make the system functional with minimum break-downs to the extent possible.**

- (c) Augmentation of observing system networks including DWR network is a continuing process that shall be taken up as per the emerging needs from time to time. Additional DWRs will be placed in a phased manner based on service requirements related to land and associated infrastructure in various parts of the country including in Kangra and other districts of Himachal Pradesh.**

**Annexure-I**

<b>S.No.</b>	<b>Name of Station</b>	<b>Commissioned on</b>	<b>Radar status</b>
<b>1</b>	<b>Chennai (Tamil Nadu)</b>	<b>22.02.2002</b>	<b>Installed &amp; functional</b>
<b>2</b>	<b>Kolkata (West Bengal)</b>	<b>29.01.2003</b>	<b>Installed &amp; functional</b>
<b>3</b>	<b>Machilipatnam (Andhra Pradesh)</b>	<b>08.12.2004</b>	<b>Installed &amp; functional</b>
<b>4</b>	<b>Visakhapatnam (Andhra Pradesh)</b>	<b>27.07.2006</b>	<b>Installed &amp; functional</b>
<b>5</b>	<b>Delhi (Palam) (Delhi)</b>	<b>22.04.2010</b>	<b>Under service for want of spares</b>
<b>6</b>	<b>Hyderabad (Andhra Pradesh)</b>	<b>16.07.2010</b>	<b>Installed &amp; functional</b>
<b>7</b>	<b>Nagpur (Maharashtra)</b>	<b>28.02.2011</b>	<b>Installed &amp; functional</b>
<b>8</b>	<b>Agartala (Tripura)</b>	<b>13.03.2011</b>	<b>Installed &amp; functional</b>
<b>9</b>	<b>Patna (Bihar)</b>	<b>27.05.2011</b>	<b>Installed &amp; functional</b>
<b>10</b>	<b>Lucknow (Uttar Pradesh)</b>	<b>16.08.2011</b>	<b>Installed &amp; functional</b>
<b>11</b>	<b>Patiala (Punjab)</b>	<b>13.10.2011</b>	<b>Installed &amp; functional</b>
<b>12</b>	<b>Mohanbari (Assam)</b>	<b>02.06.2012</b>	<b>Installed &amp; functional</b>
<b>13</b>	<b>Bhopal (Madhya Pradesh)</b>	<b>06.11.2013</b>	<b>Installed &amp; functional</b>
<b>14</b>	<b>Paradip (Odisha)</b>	<b>19.11.2015</b>	<b>Installed &amp; in temporary breakdown</b>
<b>15</b>	<b>Karaikal (Tamil Nadu)</b>	<b>29-10-2015</b>	<b>Installed &amp; in temporary breakdown</b>
<b>16</b>	<b>Goa (Goa)</b>	<b>-</b>	<b>Under Installation</b>
<b>17</b>	<b>Mumbai (Maharashtra)</b>	<b>25.08.2015</b>	<b>Under maintenance</b>
<b>18</b>	<b>Bhuj (Gujarat)</b>	<b>-</b>	<b>Under Installation</b>
<b>19</b>	<b>Mausam Bhawan (Delhi)</b>	<b>19.12.2011</b>	<b>Installed &amp; functional</b>
<b>20</b>	<b>Jaipur (Rajasthan)</b>	<b>28.01.2012</b>	<b>Installed &amp; functional</b>
<b>21</b>	<b>Srinagar (J&amp;K)</b>	<b>01-05-2015</b>	<b>Installed &amp; functional</b>
<b>22</b>	<b>Gopalpur (Orissa)</b>	<b>-</b>	<b>Under Installation</b>
<b>23</b>	<b>Kochi (Kerala)</b>	<b>-</b>	<b>Under installaion</b>
<b>24</b>	<b>Cherrapunji (Meghalaya)</b>	<b>-</b>	<b>Under installaion</b>
<b>25</b>	<b>Sriharikota (Andhra Pradesh)</b>	<b>-</b>	<b>Under upgradation</b>